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OM protein - protein search, using sw model

Run on: March 1, 2001, 15:49:53 ; Search time 140.11 Seconds
(without alignments)
7.690 Million cell updates/sec

Title: US-09-331-631A-21_COPY_32_91

Perfect score: 343
Sequence: 1 TENPCARQRCLOSCQOEPPDL.....DTGATNORHPGERTGRGP 60

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 174772 seqs, 17957048 residues

Total number of hits satisfying chosen parameters: 174772

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Issued_Patents_AA:*
1: /cgn2_6/ptodata/2/1aa/5A_COMB.pep:*
2: /cgn2_6/ptodata/2/1aa/5B_COMB.pep:*
3: /cgn2_6/ptodata/2/1aa/6_COMB.pep:*
4: /cgn2_6/ptodata/2/1aa/PCPMUS_COMB.pep:*
5: /cgn2_6/ptodata/2/1aa/backfile1.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	93	27.1	605	1 US-07-955-905A-24	Sequence 24, Appl
2	66.5	19.4	477	1 US-08-136-922-2	Sequence 2, Appl
3	66.5	19.4	771	1 US-08-121-713D-54	Sequence 54, Appl
4	66.5	19.4	771	1 US-08-835-268-54	Sequence 54, Appl
5	66.5	19.4	771	2 US-09-060-692-54	Sequence 54, Appl
6	66.5	19.4	771	3 US-08-833-391-54	Sequence 54, Appl
7	66.5	19.4	771	4 PCT-US94-10151A-54	Sequence 54, Appl
8	60	17.5	350	2 US-08-999-811-4	Sequence 4, Appl
9	60	17.5	350	2 US-08-824-996-2	Sequence 4, Appl
10	60	17.5	350	3 US-09-042-105-4	Sequence 4, Appl
11	60	17.5	419	3 US-08-999-811-2	Sequence 2, Appl
12	60	17.5	419	3 US-09-042-105-2	Sequence 2, Appl
13	60	17.5	419	3 US-09-042-105-18	Sequence 18, Appl
14	60	17.5	419	3 US-08-795-430-8	Sequence 8, Appl
15	60	17.5	419	4 PCT-US96-09001-2	Sequence 8, Appl
16	59.5	17.3	591	3 US-08-991-408-4	Sequence 4, Appl
17	59.5	17.3	1013	2 US-08-866-650-3	Sequence 3, Appl
18	59.5	17.3	1013	2 US-08-866-650-5	Sequence 5, Appl
19	59.5	17.3	1013	2 US-09-021-287-3	Sequence 3, Appl
20	59.5	17.3	1013	2 US-09-021-287-5	Sequence 5, Appl
21	59.5	17.3	1013	3 US-08-991-408-2	Sequence 2, Appl
22	58.5	17.1	587	1 US-07-955-905A-23	Sequence 23, Appl
23	58.5	17.1	337	3 US-09-188-930-186	Sequence 186, App
24	58	16.9	448	2 US-08-884-072-1	Sequence 1, Appl
25	56.5	16.5	43	2 US-08-488-161-83	Sequence 83, Appl
26	56.5	16.5	43	3 US-09-273-685-83	Sequence 83, Appl
27	56.5	16.5	43	4 PCT-US95-11934-83	Sequence 83, Appl
28	56	16.3	77	2 US-08-465-380-4	Sequence 4, Appl

29	56	16.3	77	2 US-08-465-380-40	Sequence 40, Appl
30	56	16.3	77	2 US-08-460-478-33	Sequence 33, Appl
31	56	16.3	77	2 US-08-486-397-4	Sequence 4, Appl
32	56	16.3	77	2 US-08-486-397-40	Sequence 40, Appl
33	56	16.3	77	2 US-08-486-399-4	Sequence 4, Appl
34	56	16.3	77	2 US-08-486-399-40	Sequence 40, Appl
35	56	16.3	77	2 US-08-461-965-4	Sequence 4, Appl
36	56	16.3	77	2 US-08-461-965-40	Sequence 40, Appl
37	56	16.3	77	2 US-08-326-110A-33	Sequence 33, Appl
38	56	16.3	77	2 US-08-634-641-4	Sequence 4, Appl
39	56	16.3	77	2 US-08-634-641-40	Sequence 40, Appl
40	56	16.3	77	3 US-09-249-471-4	Sequence 4, Appl
41	56	16.3	77	3 US-09-249-471-40	Sequence 40, Appl
42	56	16.3	77	3 US-09-249-472-4	Sequence 4, Appl
43	56	16.3	77	3 US-09-249-472-40	Sequence 40, Appl
44	56	16.3	77	3 US-09-249-451-4	Sequence 4, Appl
45	56	16.3	77	3 US-09-249-448-40	Sequence 40, Appl

ALIGNMENTS

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RESULT 1
US-07-955-905A-24
; Sequence 24, Application US/07955905A
; Patent No. 5770433
; GENERAL INFORMATION:
; APPLICANT:
; TITLE OF INVENTION: RECOMBINANT 47 AND 31 KD COCOA PROTEINS AND
; NUMBER OF INVENTION: PRECURSOR
; NUMBER OF SEQUENCES: 28
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentln Release #1.0, Version #1.25 (EPO)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/955,905A
; FILING DATE: 21-JAN-1993
; CLASSIFICATION: 435
; INFORMATION FOR SEQ ID NO: 24:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 605 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; ORIGINAL SOURCE:
; ORGANISM: Glycine max
; FEATURE:
; NAME/KEY: Protein
; LOCATION: 1..605
; OTHER INFORMATION: /note= "Vicilin from G. max"
US-07-955-905A-24

Query Match 27.1% Score 93; DB 1; Length 605;
Best Local Similarity 31.4%; Pred. No. 0.0013;
Matches 22; Conservative 8; Mismatches 16; Indels 24; Gaps 3;

QY 2 ENPCARQRCLOSCQOEPPDLKOKACESRCKLEYD-----PRCVDTGATNORHP 50
||| :||||| | | :|| || | :
Db 31 ENPKHNCLOSCNSRBDYRNQACHARCNLKVEKECEGEIIPRR-----PRQHP 83
||| :||| :
QY 51 -----PGER 54
||| :
Db 84 EREPOQPEK 93

RESULT 2
US-08-136-922-2
; Sequence 2, Application US/08136922
; Patent No. 5416197
; GENERAL INFORMATION:
```

APPLICANT: Raper, Jonathan A.
APPLICANT: Luo, Yuling
TITLE OF INVENTION: Compositions Which Regulate Neural
TITLE OF INVENTION: Regeneration and Methods of Making and Using the Same
NUMBER OF SEQUENCES: 2
CORRESPONDENCE ADDRESS:
ADDRESSEE: Woodcock Washburn Kurtz Mackiewicz &
ADDRESSEE: No. 541619715
STREET: One Liberty Place
CITY: Philadelphia
STATE: PA
COUNTRY: USA
ZIP: 19103
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/136,922
FILING DATE:
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Deluca, Mark
REGISTRATION NUMBER: 33,229
REFERENCE/DOCKET NUMBER: UPN-1428
TELECOMMUNICATION INFORMATION:
TELEPHONE: 215-568-3100
TELEFAX: 215-568-3439
INFORMATION FOR SEQ. ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 477 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-136-922-2

Query Match 19.4%; Score 66.5; DB 1; Length 477;
Best Local Similarity 35.2%; Pred. No. 1.6;
Matches 19; Conservative 5; Mismatches 23; Indels 7; Gaps 2;

QY 6 AORCLOSCQOEPPDLKOKACESRCTKLEYPRCVYDTGATNORHPQERTGRQ 59
DB 278 AQLPLHRC-----DIYKACAEC--LARDPYCAMDSACSRYFPYAKRRTRRQ 324

RESULT 3
US-08-121-713D-54
Sequence 54, Application US/08121713D
Patent No. 5639856
GENERAL INFORMATION:
APPLICANT: Goodman, Corey S.
APPLICANT: Kolodkin, Alex L.
APPLICANT: Matthes, David
APPLICANT: Bentley, David R.
APPLICANT: O'Connor, Timothy
TITLE OF INVENTION: The Semaphorin Gene Family
NUMBER OF SEQUENCES: 100
CORRESPONDENCE ADDRESS:
ADDRESSEE: SCIENCE & TECHNOLOGY LAW GROUP
STREET: 268 Bush Street, Suite 3200
CITY: San Francisco
STATE: CA
COUNTRY: USA
ZIP: 94104
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/121,713D

FILING DATE: 13-SEP-1993
CLASSIFICATION: 514
ATTORNEY/AGENT INFORMATION:
NAME: Osman, Richard A.
REGISTRATION NUMBER: 36,627
REFERENCE/DOCKET NUMBER: B94-002-1
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415)343-4341
TELEFAX: (415) 343-4342
INFORMATION FOR SEQ. ID NO: 54:
SEQUENCE CHARACTERISTICS:
LENGTH: 771 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-121-713D-54

Query Match 19.4%; Score 66.5; DB 1; Length 771;
Best Local Similarity 35.2%; Pred. No. 2.8;
Matches 19; Conservative 5; Mismatches 23; Indels 7; Gaps 2;

QY 6 AORCLOSCQOEPPDLKOKACESRCTKLEYPRCVYDTGATNORHPQERTGRQ 59
DB 510 AQLPLHRC-----DIYKACAEC--LARDPYCAMDSACSRYFPYAKRRTRRQ 556

RESULT 4
US-08-835-268-54
Sequence 54, Application US/08835268
Patent No. 5807826
GENERAL INFORMATION:
APPLICANT: Goodman, Corey S.
APPLICANT: Kolodkin, Alex L.
APPLICANT: Matthes, David
APPLICANT: Bentley, David R.
APPLICANT: O'Connor, Timothy
TITLE OF INVENTION: The Semaphorin Gene Family
NUMBER OF SEQUENCES: 100
CORRESPONDENCE ADDRESS:
ADDRESSEE: SCIENCE & TECHNOLOGY LAW GROUP
STREET: 268 Bush Street, Suite 3200
CITY: San Francisco
STATE: CA
COUNTRY: USA
ZIP: 94104
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/835,268
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/121,713
FILING DATE: 13-SEP-1993
ATTORNEY/AGENT INFORMATION:
NAME: Osman, Richard A.
REGISTRATION NUMBER: 36,627
REFERENCE/DOCKET NUMBER: B94-002-1
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415)343-4341
TELEFAX: (415) 343-4342
INFORMATION FOR SEQ. ID NO: 54:
SEQUENCE CHARACTERISTICS:
LENGTH: 771 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein

APPLICATION NUMBER: PCT/US94/10151A
FILING DATE: 13-SEP-1994
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: Osman, Richard A.
REGISTRATION NUMBER: 36,627
REFERENCE/DOCKET NUMBER: FP-58750-PC/RAO
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 781-1989
TELEFAX: (415) 398-3249
TELEX: 910 277299 FHT UR
INFORMATION FOR SEQ ID NO: 54:
SEQUENCE CHARACTERISTICS:
LENGTH: 771 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
PCT-US94-10151A-54

Query Match 19.4%; Score 66.5; DB 4; Length 771;
Best Local Similarity 35.2%; Pred. No. 2.8;
Matches 19; Conservative 5; Mismatches 23; Indels 7; Gaps 2;

OY 6 AQRLOSCQEPDDLKAKCESRCTKLEYDPRCYVDGATNQRHPPGERTGRQ 59
DB 510 AQLPLHRC-----DIYKACAECC--LARDPYCAMDSACSRYPTAKRRTRRQ 556

RESULT 8
US-08-999-811-4
Sequence 4, Application US/08999811
Patent No. 5932540

GENERAL INFORMATION:
APPLICANT: HU, JING-SHAN
APPLICANT: ROSEN, CRAIG A.
APPLICANT: CAO, LIANG
TITLE OF INVENTION: VASCULAR ENDOTHELIAL GROWTH FACTOR 2
NUMBER OF SEQUENCES: 15
CORRESPONDENCE ADDRESS:
ADDRESSEE: STERNE, KESSLER, GOLDSTEIN & FOX
STREET: 1100 NEW YORK AVENUE
CITY: WASHINGTON
STATE: DC
COUNTRY: USA
ZIP: 20005
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/999,811
FILING DATE: HERewith
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/207,550
FILING DATE: 8-MAR-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/465,968
FILING DATE: 06-JUN-1995
ATTORNEY/AGENT INFORMATION:
NAME: MARKOWICZ, KAREN R.
REGISTRATION NUMBER: 36,351
REFERENCE/DOCKET NUMBER: 1488,1000004
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202)371-2600
TELEFAX: (202)371-2540
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 350 amino acids
TYPE: amino acid
TOPOLOGY: linear

MOLECULE TYPE: protein
US-08-999-811-4

Query Match 17.5%; Score 60; DB 2; Length 350;
Best Local Similarity 36.7%; Pred. No. 7.1;
Matches 18; Conservative 5; Mismatches 14; Indels 12; Gaps 2;

OY 1 TENPCAQRCLQ-----SCQEPDDLKAKCESRCTKLEYDPRCV 39
DB 294 TESP-QKCLKGKKFHHQTCYRRRCTNQRKACEGFGFSYSEVRCV 340

RESULT 9
US-08-824-996-2
Sequence 2, Application US/08824996B
Patent No. 5935820

GENERAL INFORMATION:
APPLICANT: Hu, Jing-Shan
APPLICANT: Rosen, Craig A.
APPLICANT: Cao, Liang
TITLE OF INVENTION: Polynucleotides Encoding Vascular Endothelial Growth
FILE REFERENCE: PRL12D1
CURRENT APPLICATION NUMBER: US/08/824,996B
CURRENT FILING DATE: 1997-03-27
EARLIER APPLICATION NUMBER: 08/207,550
EARLIER FILING DATE: 1994-03-08
NUMBER OF SEQ ID NOS: 9
SOFTWARE: Patentin Ver. 2.0
SEQ ID NO 2
LENGTH: 350
TYPE: PRT
ORGANISM: Homo sapiens
US-08-824-996-2

Query Match 17.5%; Score 60; DB 2; Length 350;
Best Local Similarity 36.7%; Pred. No. 7.1;
Matches 18; Conservative 5; Mismatches 14; Indels 12; Gaps 2;

OY 1 TENPCAQRCLQ-----SCQEPDDLKAKCESRCTKLEYDPRCV 39
DB 294 TESP-QKCLKGKKFHHQTCYRRRCTNQRKACEGFGFSYSEVRCV 340

RESULT 10
US-09-042-105-4

Sequence 4, Application US/09042105
Patent No. 6040157
GENERAL INFORMATION:
APPLICANT: HU, JING-SHAN
APPLICANT: ROSEN, CRAIG A.
APPLICANT: CAO, LIANG
TITLE OF INVENTION: VASCULAR ENDOTHELIAL GROWTH FACTOR 2
NUMBER OF SEQUENCES: 35
CORRESPONDENCE ADDRESS:
ADDRESSEE: STERNE, KESSLER, GOLDSTEIN & FOX
STREET: 1100 NEW YORK AVENUE
CITY: WASHINGTON
STATE: DC
COUNTRY: USA
ZIP: 20005
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/042,105
FILING DATE: HERewith
CLASSIFICATION:
PRIOR APPLICATION DATA:

Query Match 17.5%; Score 60; DB 3; Length 419;
Best Local Similarity 36.7%; Pred. No. 8.7;
Matches 18; Conservative 5; Mismatches 14; Indels 12; Gaps 2;

OY 1 TENPCARCIQ-----SCQEPDDLKORACSRCTKLEYDPRCV 39
Db 363 TESP--OKCLLKGRKHHQTCSCYRRPCTNRKACRCEGFSYSEVRCV 409

RESULT 13

US-09-042-105-18
; Sequence 18, Application US/09042105
; Patent No. 6040157
; GENERAL INFORMATION:
; APPLICANT: HU, JING-SHAN
; APPLICANT: ROSEN, CRAIG A.
; APPLICANT: CAO, LIANG
; TITLE OF INVENTION: VASCULAR ENDOTHELIAL GROWTH FACTOR 2
; NUMBER OF SEQUENCES: 35
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: STERNE, KESSLER, GOLDSTEIN & FOX
; STREET: 1100 NEW YORK AVENUE
; CITY: WASHINGTON
; STATE: DC
; COUNTRY: USA
; ZIP: 20005
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/042,105
; FILING DATE: HEREWITH
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/207,550
; FILING DATE: 8-MAR-1994
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/465,968
; FILING DATE: 06-JUN-1995
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: TO BE ASSIGNED
; FILING DATE: 24-DEC-1997
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: ERIC K. STEFFE
; REGISTRATION NUMBER: 36,688
; REFERENCE/DOCKET NUMBER: 1488.1000003/EKS
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (202)371-2600
; TELEFAX: (202)371-2540
; INFORMATION FOR SEQ. ID NO: 18:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 419 amino acids
; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-09-042-105-18

Query Match 17.5%; Score 60; DB 3; Length 419;
Best Local Similarity 36.7%; Pred. No. 8.7;
Matches 18; Conservative 5; Mismatches 14; Indels 12; Gaps 2;

OY 1 TENPCARCIQ-----SCQEPDDLKORACSRCTKLEYDPRCV 39
Db 363 TESP--OKCLLKGRKHHQTCSCYRRPCTNRKACRCEGFSYSEVRCV 409

RESULT 14
US-08-795-430-8
; Sequence 8, Application US/08795430
; Patent No. 6130071
; GENERAL INFORMATION:
; APPLICANT: Allitalo, Kari
; APPLICANT: Joukov, Vladimir
; TITLE OF INVENTION: Vascular Endothelial Growth Factor C (VEGF-C)
; TITLE OF INVENTION: Protein and Gene, Mutants Thereof, and Uses Thereof
; NUMBER OF SEQUENCES: 57
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Marshall, O'Toole, Gerstein, Murray & Borun
; STREET: 6300 Sears Tower, 233 South Wacker Drive
; CITY: Chicago
; STATE: Illinois
; COUNTRY: United States of America
; ZIP: 60606-6402

; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/795,430
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: PCT/FR96/00427
; FILING DATE: 01-AUG-1996
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/671,573
; FILING DATE: 28-JUN-1996
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/601,132
; FILING DATE: 14-FEB-1996
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/585,895
; FILING DATE: 12-JAN-1996
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/510,133
; FILING DATE: 01-AUG-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/340,011
; FILING DATE: 14-NOV-1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Gass, David A.
; REGISTRATION NUMBER: 38,153
; REFERENCE/DOCKET NUMBER: 28967/33691
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 312/474-6300
; TELEFAX: 312/474-0448
; TELEX: 25-3856
; INFORMATION FOR SEQ. ID NO: 8:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 419 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-795-430-8

Query Match 17.5%; Score 60; DB 3; Length 419;
Best Local Similarity 36.7%; Pred. No. 8.7;
Matches 18; Conservative 5; Mismatches 14; Indels 12; Gaps 2;

OY 1 TENPCARCIQ-----SCQEPDDLKORACSRCTKLEYDPRCV 39
Db 363 TESP--OKCLLKGRKHHQTCSCYRRPCTNRKACRCEGFSYSEVRCV 409

RESULT 15
PCT-US96-09001-2

